



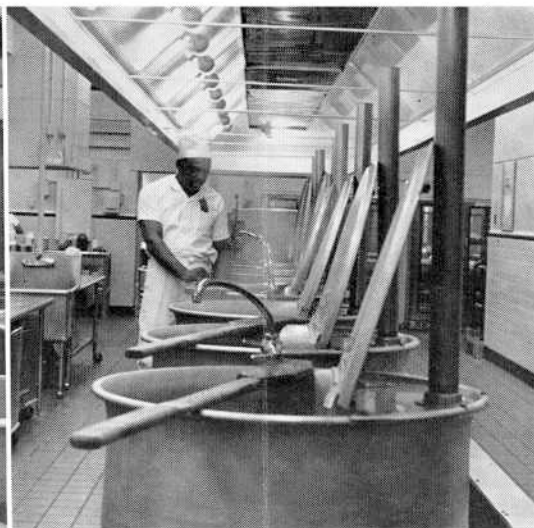
— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

VOL. 19 — NO. 35

OAK RIDGE, TENNESSEE

Wednesday, September 1, 1965



A COOK'S TOUR OF THE CAFETERIA reveals the behind-the-scenes work shown above. In photo one the cooks are busily engaged in preparing lunch for

hungry Y-12ers. In the center photograph, Johnson Robinson watches the soup boil in the huge cauldrons. Homemade soup is one of the Cafeteria's most popular

dishes. At right, L. D. Scott 'molds out' some rolls. Most of the bread (in fact all of it, except sliced breads) is baked right in our own ovens.

Jeff Bostock Will Speak At AIEE Meeting Next Tuesday, Farragut Hotel, Knoxville

The East Tennessee Chapter of the American Institute of Industrial Engineers will hold its regular monthly meeting next Tuesday, September 7, at the Farragut Hotel, Knoxville. Members and guests will hold their social hour at 6:30 p.m., dinner at 7 and the technical session at 8.



Jeff Bostock

D. J. Bostock, head of Systems and Methods, here in Y-12, will discuss the broad aspects of Network Analysis including the Critical Path Method which is currently receiving wide acclaim and utilization.

Bostock received his BS from Pennsylvania State University in Industrial Engineering and his MS in Industrial Management from the University of Tennessee. He has been in Y-12 since 1957, with experience in the areas of mechanized data transmission system, network analysis, management analysis reports, and scheduling techniques.

A sail-boat enthusiast, Jeff lives with his wife and three children at 105 Edgehill Lane, Oak Ridge.

Linde Introduces New Emerald Gem

Union Carbide's Linde Division has introduced a new emerald that compares in quality with fine gems. It embodies the luster, color and clarity of fine natural stones. Faceted stones up to three or four carats in size will be offered in limited quantities at the outset. Although natural gems can bring upwards of \$5,000 per carat, the introduction of the Linde created emerald will make possible jewelry of comparable beauty at a fraction of this cost. They will retail in the range of \$200 to \$300 per carat. These stones are created by a new hydrothermal process developed by the Division, involving considerable heat and pressure. Properties of the new synthetic emerald are almost identical to its natural counterpart and are superior to synthetic emeralds that have been developed in the past.

DEADLY FIRES

Fire killed about 11,900 people in the United States last year, according to the National Fire Protection Association. Nearly 30 per cent of the victims were children.

How Much Would Your Hands Bring?

How much would you take for your hands? Hands are the most precious tools of man. The human hand is a masterpiece of functional design contrived of 27 small bones, muscles, tendons, ligaments; and surrounded by blood vessels, infiltrated by nerves and covered with skin.

Two hands, ten fingers and millions of movements — guiding a surgical instrument or a monstrous power shovel; tying a shoe lace or splicing a multi-wire electrical cable; driving a car or operating a typewriter; production equipment or setting the controls of an automatic washing machine — hands are in almost constant use every minute of the day. From the moment you awake and shut off the alarm until you put out the light at bed time—your hands steer you through the day.

Yet occupational injuries still happen to folks' hands, right here in Y-12. How much are your hands worth? Just ask someone who's lost one.



NANCY GASAWAY AND VENA MAE SUMMITT prepare crisp salads for Y-12, in preparation for the lunch crowds. Diet-conscious Y-12ers have turned to the cottage cheese type salads lately, preferring grapefruit garnishes, or other fruits.

ORNL Consultant Speaks To IEEE

The Oak Ridge Section of the Institute of Electrical and Electronic Engineers will meet next Thursday, September 9. The meeting is set at the Elks Club, Oak Ridge, and the social hour begins at 6:30 and dinner at 7:30 p.m.

Guest speaker will be C. H. Weaver, Dean of the School of Engineering at the University of Tennessee.

He will speak on "Continuing Education for Engineers."

Dr. Weaver's experience in the field of education includes six years as professor of Electrical Engineering at UT, and six years as head professor and Westinghouse professor of Electrical Engineering at Auburn University.

His contributions to the field of engineering include many technical papers and he has served as consultant to the Marshall Space Flight Center, Huntsville, Alabama; the Arnold Engineering Development Center, Tullahoma, Tennessee; and at Oak Ridge National Laboratory.

Dinner reservations may be made through C. S. Walker, Oak Ridge telephone 483-0341.

All members and guests are invited to the IEEE meeting.

ORGDP Begins Uranium Shipment To California

The Oak Ridge Gaseous Diffusion Plant recently began shipment of approximately \$936,000 worth of enriched uranium for use by the General Electric Company, California. The 16,685 pounds of uranium, shipped as uranium hexafluoride enriched to 2.34 per cent in uranium-235, will be fabricated into fuel elements at GE's Vallecitos Atomic Laboratory, Pleasanton, California. The fuel elements will be used in the Boiling Water Thermal Critical Assembly at Vallecitos.

HOW'S THAT AGAIN

Red wine may be made from white grapes and white wine can be made from red grapes.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
47 Days Or
1,241,000 Man-Hours
(Unofficial Estimate)
Through August 29
Without A Disabling
Injury
For Daily Report
On Accident-Free Hours
Phone 3-7755

Cafeteria Has Many Veterans Still Around

Familiar faces . . . all of them. We not only come in contact almost every day with Cafeteria folks . . . they have been around the plant more than most of us. Two good reasons why they are so familiar.

A total of nine of the 14 employees in the Cafeteria have more than 20 years service back of them in Y-12. The remaining five have from four to 19 years company service.

Very few other departments in the plant can boast the service record as a whole group as can Cafeteria-men and women. Take Irene King, for instance. Irene, head counter attendant, came here August 11, 1943 . . . more than 22 years ago. She came here about six weeks before Madeline Tackett showed up on September 20, 1943. Vena Mae Summitt followed on October 23, of the same year.

1944 was the big year for five more of our food people. David Treece hired in February 17; Frankie Goss, February 19; Tommie Goss, May 9; Nancy Gasaway, June 13; and Willie Mae Braden, June 16.

Mayme Hundley became a Y-12er on January 26, 1945. (She also came in 1944, but an adjusted company service date puts her at 1-26-45.)

"Youngsters" Wynetta Patterson who came here November 13, 1947; Johnson Robinson, October 5, 1949; Kent Patterson, December 18, 1950; L. D. Scott, August 23, 1960; and Howard McClellan, May 8, 1961, all follow the old-time veterans.

Y-12's Cafeteria opened its doors June 13, 1943 . . . back in the infancy of the plant. The food folks have been 'dishing it out' every since . . . sometimes on a full-shift, 24-hour basis (as back in the dim, old days!)

Procedures at the Cafeteria follow almost those of a large, commercial restaurant. The only difference is that our cafeteria operates on a non-profit basis.

Wholesome food is prepared (everything except sliced bread and ice cream is 'made' right here in our kitchens) for hungry

Continued on Page 4

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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UT Graduate School Lists Fall Courses

The Oak Ridge Resident Graduate Program for the University of Tennessee has announced its fall schedule. Registration will be held Monday, September 20, from 6 until 9 p.m., at the Oak Ridge Institute of Nuclear Studies Training Building on Laboratory Road. Faculty advisors will be present to advise and approve the course selections.

Courses to be offered during the Fall quarter include:

Chemical Engineering 542: **Research and Design in Chemical Engineering.** 7:30 to 9 p.m., Tuesday and Thursday. Dr. Lawrence Dresner, instructor.

Chemistry 541: **Advanced Physical Chemistry.** 5:30 to 7 p.m., Tuesday and Thursday. Dr. A. F. Saturno, instructor.

Chemistry 581: **Radiochemistry.** 5:30 to 7 p.m. Wednesday, 10 a.m. to 11:40 a.m. Saturday. Dr. George K. Schweitzer, instructor.

Mathematics 415: **Linear Algebra and Geometry.** 5:15 to 6:45 p.m., Monday and Wednesday. Dr. Lewis Nelson, instructor.

Mathematics 451: **Introduction to Analysis.** 5:15 to 6:45 p.m., Tuesday and Thursday. Dr. V. B. Uppuluri, instructor.

Mathematics 454: **Advanced Calculus.** Time and instructor to be announced.

Mathematics 464: **Calculus of Finite Differences.** 5:15 to 6:45 p.m., Monday and Wednesday. Dr. William B. Gragg, instructor.

Metallurgical Engineering 584: **Metallurgy of Deformation and Fracture.** 5:15 to 6:45 p.m., Tuesday and Thursday. Dr. M. W. Wechsler, instructor.

Physics 371: **Introduction to Atomic and Nuclear Physics.** 8 to 9:30 p.m. Monday and Wednesday. Dr. E. C. Campbell, instructor.

Physics 421: **Electricity and Magnetism.** 5:30 to 7 p.m. Monday and Wednesday. Dr. W. C. Koehler, instructor.

Physics 511: **Introduction to Theoretical Physics.** 5 to 6:30 p.m., Tuesday and Friday. Dr. D. F. Smith, instructor.

Physics 521: **Advanced Modern Physics.** 5:15 to 6:30 p.m., Monday and Wednesday. Dr. R. B. Murray, instructor.

Physics 541: **Electromagnetic Theory.** 7 to 8:15 p.m. Monday and Thursday. Dr. R. L. Becker, instructor.

Physics 561: **Mathematical Methods in Physics.** 7 to 8:30 p.m., Wednesday; 7:30 to 9 p.m., Friday. Dr. Owen C. Eldridge, instructor.

Bacteriology 481: **Bacterial Genetics.** 7 to 8:30 p.m., Tuesday and Thursday. Dr. Mary M. Brown.

Biochemistry 411c: **Cellular and Comparative Biochemistry.** 7 to 8:30 p.m., Tuesday and Thurs-



"Fred Flintstone? No, I'm going as Dr. Kildare!"

Plans For Assembly Dinner-Dance At Melton Hill In Full Swing

From Bedrock to Peyton Place . . . from Hollywood to Radio City . . . they're all congregating toward ticket-sellers for Assembly's big dinner-dance, set September 25. It's all planned for the Melton Hill Country Club, the first Saturday of the new Autumn.

Ticket sellers include Mary Farr, Harry Conner, Ken Sommerfield, Jane Brown, S. H. Guy, Steve Pelizzari, R. V. Harold and Virginia Newby. They all have the \$5 per head ducats . . . but won't have for long. A limited number is being sold . . . and after that, the axe!

Dinner Is Included

The ticket includes dinner (buffet-style at the beautiful Melton Hill Club), dancing to the music of Dick Jones and his orchestra, and all the other fun-filled activities that Assembly is apt to put up. There's group singing, antics from well-known clowns in the Division, and prizes for the best get-ups there.

Melton Hill Country Club is just across the lake from Oak Ridge . . . but you can't swim over there . . . the water's too

day. Dr. Frank J. Finamore, instructor.

Zoology 301: **Concepts in General Zoology.** 7 to 8:50 p.m. Wednesday, Lab to be announced. Dr. Gary Whitson, et al, instructors.

Classes begin in the Fall Quarter September 23 and end December 7.

cold. You go by way of Clinton . . . take 25-W south toward Knoxville for about a mile. Then follow the signs the rest of the way.

Christmas Time Crowded

Assembly people are departing from their annual Christmas party. There's too much to do during the holidays and places to have parties are hard to come by. Besides, early Fall is a fine time to have a shindig.

They've mentioned coming as Jackie Gleason, Hoss Cartwright, Dr. Kildare, Ed Sullivan, the Beatles, and others. Nobody has mentioned coming as a Hullabaloo boy or girl! (?)

Set your sights now on Saturday, September 25. But, if you plan to attend, you'd better see one of the above ticket-sellers for your admission slip of paper. After they've sold their allotted tickets, they will sell no more!

That's the Assembly Division dinner-dance, Saturday, September 25, at the Melton Hill Country Club.

Vaslow Will Lead Physics Seminar

The Oak Ridge National Laboratory Physics Division announces its seminar this week. F. Vaslow, Chemistry Division, will discuss "Some Aspects of the Interaction of Ions in Water."

The seminar is set for 3:15 p.m. Friday, September 3, in ORNL's East Auditorium, Building 4500.



WITH HIS TRUSTY MUSTANG . . . Bill Bonney decided he needed all the proper equipment to go with the steed. The standard equipment includes a bridle, hay, hitching post, and shovel . . . in case of snow. Bill, in Assembly Operations, is mighty proud of his 'horseless shay.'

'Sociable' Security Changes Will Be Felt Next January 1, As New Schedule Is Given

Much attention has been focused lately on what Snuffy Smith calls "Sociable Security." And there are some changes coming. The so-called Medicare Bill . . . or amendments to the Social Security Act, was recently made law by the President's signature.

The only significant change at the present is a seven per cent increase in old-age and disability benefits now being paid. These increases will be retroactive to January 1, 1965. Other changes, however, are on the way.

For instance, this year an employed person pays 3.625 percent on the first \$4,800 earned during the calendar year. Union Carbide, of course, matches this \$174 a year paid by the employee. This amounts to a total of \$358 annually paid to the account of the employee's social security number.

Changes January 1

Come January 1, 1966, an increase to 4.4 per cent, paid by both the employee and the employer is in effect. The employee will pay on the first \$6,600 earnings during 1966 . . . an \$1,800 increase on earnings taxable. This will bring the 1966 total to \$277 . . . or \$554 paid by both the Y-12er and Union Carbide. Gradual increases will bring the total to 5.65 per cent on January 1, 1967.

The wide publicity given the health insurance that will be provided for the elderly makes that effective date in July of next year. In other words, medicare benefits do not start until mid-1966.

At the peak of contributions in 1967 (if you're still planning to be around by then), a total of \$373 will be paid by the employee . . . and another \$373 anted up by Union Carbide, bringing a total to \$746 . . . that's 22 years away in case you're interested.

New Benefits Listed

The increase in Social Security contributions will provide a number of changes in benefits.

1. It will bring health insurance to the elderly July 1, 1966.

2. It will provide for relaxing the eligibility standards for disability pensions. Full Social Security benefits will be provided

after 12 months of total disability, where in the past these disability benefits have been provided only for those declared totally and permanently disabled.

3. It will provide for increase in the amount a retired worker or a Social Security beneficiary can earn without having his Social Security pension reduced.

4. It will provide for a seven per cent increase in old-age and disability benefits now being paid, retroactive to January 1, 1965.

5. It will provide for an increase in the Social Security benefits each employee will be eligible to receive at retirement. Social Security benefits for an individual have ranged from \$40 to \$127 a month; they now range from \$44 to \$135.90. Through the years, the maximum will increase gradually to \$167.90 a month, although this maximum will not apply to persons retiring before the year 2,001. (You would have to be born after 1936.) As individual retirement benefits increase, maximum family benefits will gradually increase from \$254 a month to \$368.

Dependents' Status

Another significant change in the Act provides that unmarried dependent children under 22 may continue to receive benefits while they are full-time students in school or college.

Like Snuffy Smith, you may call the F.I.C.A. folks "gooder than any angel." First, you'd better look at your increases in the amounts paid.

An old mountaineer expression is that you don't get nothing for nothing. Social Security notwithstanding!!



September's opening finds many more Y-12ers crossing important thresholds in the Union Carbide life. Congratulations.

20 YEARS

Joseph J. Kurtz, Engineering Analysis, September 6.

Zola M. White, Casting Department, September 7.

15 YEARS

Houston L. Pace, Dispatching Department, September 1.

Malcolm R. McKenzie, H-1 Foundry, September 5.

Villard P. Maddron, Process Maintenance, September 6.

10 YEARS

Carlos E. Gregory, General Metal Fabrication Shop, September 1.

James P. Miller, H-2 and F-Area Shops, September 2.

Emmert A. Jolley, Dimensional Inspection, September 5.

Johnnie R. Parker, Electrical Department, September 9.

Recently, in the 15-year anniversary column, David W. Smith's department was listed erroneously. Smith is in Arc Melting. Apologies.

First Sapphires Were Man-Made At Carbide

The world's first man-made sapphires came out of Union Carbide during World War II to meet the critical need for gem bearings. The Linde star was introduced in 1947. Since that time white, black and colored stars have been produced, and sales have jumped 500 per cent.



Katy Kutkost
SEZ:

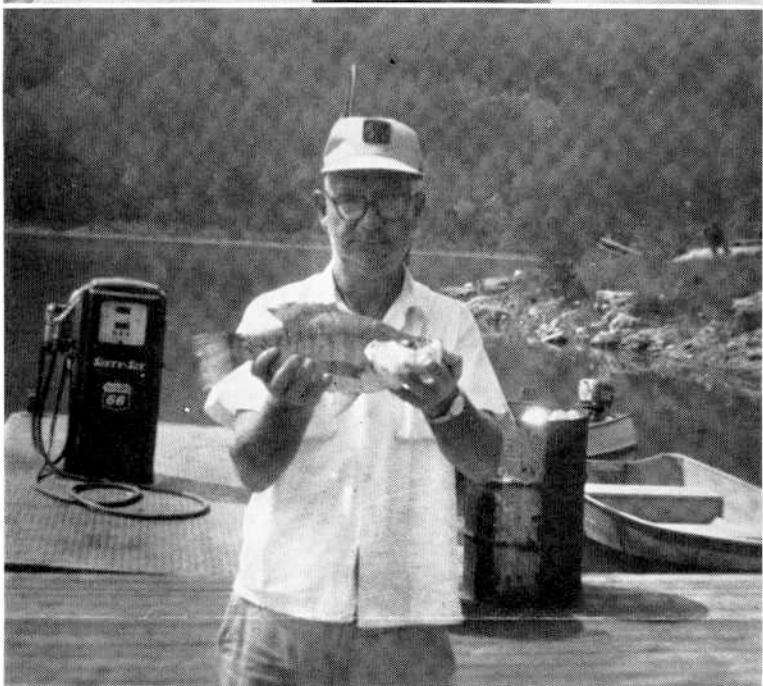
The Scotch are REALLY Scotch!

Ralph Levey, Y-12's Mr. High Pressure from the Development Division, went up to a cop and asked, "Hey, Mac, where do I catch the bus to Glasgow?" (In London he called cops, "Bob.")

The officer obligingly got a relief man for his post and personally escorted Ralph about three-quarters of a mile down the road, passing, on the way, three clearly marked bus stops. Ralph thanked the officer and just before parting asked why the fourth stop was preferred. Mack explained the extra short (?) walk saved "thruppence" (0.2c USA).

Ralph, who was giving a technical paper in Scotland, just shook his head and moaned . . . "Since I'm on a Carbide expense account, I'll have to turn in a green sheet on the savings."

In case we ever want lessons on Cost Reduction we know where to go.



NORRIS LAKE IS STILL producing its goodly share of fish, say Bobby Samples, top, and Elmer Green, bottom. Bobby displays a trout he took from the tailwaters and Elmer has a fine crappie he pulled from the backwaters of the famous old lake.

Dorr Takes Final Golf Tournament

147 Y-12 Tee-Men Play Niota Course

Carl Dorr made it four out of five Saturday, August 28, by taking the Niota Tournament for Y-12ers on the golf greens. His 75 was low for the day on the Springbrook Country Club 72-par course.

Other scratch winners include Dan Stroud and Bill Mee who tied for second place with 77. K. E. (Cotton) Thomas came in with a 78 to take third place.

Handicap winners saw four tee-men tie for first slot . . . as Ed Gambill, J. E. Bartholomew, J. H. Jones and George Heins took 72 apiece.

Bill Maddux fired 14 pars to take the most in the 18-hole competition. Bill Hamill and D. E. Littleton tied for second pars with 13 each.

SECOND DIVISION

H. H. Pratt led scratch scoring in the second flight, taking an 80. He was followed by George Cantrell and Jim Wiley, 83 each; and H. B. Presley, with an 84.

Handicap lows were registered by Jim Grubb, 69; Robert Forseman, 71; Ernie Collins, 73; and Jack Gamble and B. M. Burrus, each with 74.

Joe Raper took nine pars . . . and C. R. Ferguson and H. D. Cofer tied with eight.

THIRD DIVISION

Walt Simmons captured the third flight of golfers, with an 89 scratch on the Niota greens. He was followed by J. R. Milligan, 90; C. C. Carter, 92; and G. A. Tedder, 93.

Handicap lows went to Wayland Stallard, C. G. Gaylor, Jim Smith, each with 74 . . . and Fred Guttery and Jay Fielden, each with 75.

C. E. Dial and A. G. Bryant tied with six pars each.

FOURTH DIVISION

R. V. Walker took the last division, hands down, with a 95 scratch score. H. E. Goans, Earl Price and C. R. Martin, all had 99 each.

Handicap honors were dragged in by Hiram Crutchfield and J. B. Loy, each with 72; W. J. Bussell and J. S. Oakwood, with 77 each.

Bill Akers had six pars to take honors here . . . and W. K. Forrester took four.

A total of 147 golfers hit the Sweetwater valley course Saturday under cloudy skies, to finish off Y-12 competition in golf for the season. The big event now is the All-Carbide tournament, set for September 18, 19. See story elsewhere.

How To Guess Person's Age Without Trying

You can determine somebody's age by the following formula: Have him count the change under one dollar in his pocket. Then ask him to multiply his age by two. Add the number of fingers on his right hand. Multiply by 50. Add the amount of change in his pocket. Add the number of fingers on his left hand. Subtract the number of days in a year.

Add 110 to this total. The first two numbers of the total will be his age; the last two numbers will be the amount of change in his pocket.

extension 3-7109, and tell them what league you want in.

Safeguard your nation's defense information.

Second Place In Softball Race Still Up For Grabs

Second place in the Softball League is still up for grabs . . . thanks to the rain last week, and thanks to the fact that ORNL Mets have got to play Isotopes Reactor this week (who took the first place hands down.)

Called off due to rain were the K-25 Instruments, Eagles, and Instrumentation and Controls, Permits matches.

Isotopes Reactor downed the Y-12 Atoms in the only game played Monday, 12 to 1. Stan Powley got a homer for the losers . . . Butch Armistead for the winners.

All games Tuesday were postponed due to rain.

Wednesday action began as the Teds trimmed the Bat Boys 16 to 5 . . . with Charlie Myers hurling for the winners . . . and Romeo Greene for the losers.

P&E Stay In There

Plant & Equipment kept up their contention for at least a tie for second place with a 12 to 9 victory over the Stems. Frank Milan, P&E, kayoed the only homer in the game.

The Mets met the Apprentices head on in game number three, taking them 23 to 10. Henry Tuck tucked away a homer for the Mets . . . and Don Taylor tallied for the losing Apprentices.

In game number one Thursday the Nucons bumped off the Bums 8 to 5. Two homers by Bob Rose helped the Nucons' winning cause.

Biology bumped the Ball Hawks Thursday 22 to 4 . . . as Fred Hardin knocked three home-runs and Wayne Parsons poled two.

The final game of the week saw the K-25 Mets inch by the Braves 14 to 13 in eight innings of play. Steve Cates clobbered two home-runs for the winning Mets.

League standings follow:

Team	W	L
Isotopes Reactor	16	0
ORNL Mets	13	3
Plant & Equipment	12	4
Eagles, Y-12	12	4
Braves, Y-12	11	5
Biology	11	5
K-25 Mets	11	5
Permits	9	6
K-25 Instruments	9	6
Bat Boys, Y-12	8	8
Instrumentation & Controls	7	8
Apprentices	6	10
Ball Hawks	4	12
Nucons, Y-12	4	12
Atoms, Y-12	3	13
Teds, Y-12	3	13
Stems	2	14
Bums	1	15

Gray-Leonard New Horseshoe Leaders

The Gray-Leonard team pulled into a two-point lead in the ORNL - Y-12 Horseshoe League last week. They took the full count of nine from Clark-Wagner. The Barger-Luckett team gained seven from Gallman-Helms. Kendig-Zupan defeated Raper-Tinley by the same score.

The Wyatt-Lucke duo took five from Gallman-Helms in a make-up tilt.

Wyatt-Lucke postponed their meeting with Harness-Tillery until this week.

League standings follow:

Team	W	L
Gray-Leonard	42	12
Barger-Luckett	40	14
Kendig-Zupan	38	16
Raper-Tinley	30	24
Clark-Wagner	26	28
Wyatt-Lucke	12	33
Gallman-Helms	12	42
Harness-Tillery	7	38

Last Chance To Enter All-Carbide Golf Melton Hill Tournament, Sept. 18, 19

Next Friday, September 10, is the deadline for entering the All-Carbide Golf Tournament schedule, set for September 18 and 19. The coupon appears below for the last time in the Bulletin.

The Melton Hill Golf and Country Club will be the scene of the three-plant battle set for Saturday and Sunday, September 18, 19. Please indicate on the entry blank your foursome's preference by day.

Recreation will not accept less than three golfers per entry . . . they really prefer four. Just clip the attached coupon and fill out and mail to the Recreation Office, Building 9704-2.

Those golfers who have not participated in a plant tournament this year must establish a handicap by playing a qualifying round of 18 holes prior to the entry deadline. An attesting score must be turned in with the entry.

Green fees at Melton Hill are \$3 per golfer. A record number of Y-12ers turned out for the plant tournament held there in July.

Golfers playing in the All-Carbide tilt will be divided into four divisions, according to their handicap. Prizes will be golf balls, awarded in each of the four divisions on a 10, 8, 6, 5, 4, 2 golf balls for each respective place and the first six handicap scores in each division basis.

This will be the final activity on the greens for Y-12 golfers for this year.

ENTRY FORM

1965 All-Carbide Golf Tournament

MELTON HILL COUNTRY CLUB

September 18 & 19, 1965

Please enter the foursome, as listed below, in the All-Carbide Golf Tournament, subject to the rules governing this event. Preference: Saturday, September 18 ☐ Sunday, September 19 ☐

NAMES OF FOURSOME:

1. _____ 3. _____
2. _____ 4. _____

Signature of Member entering this Foursome Plant Phone No.

(Complete and send to: Recreation Dept., Bldg. 9704-2).

Recreation



Monday, September 6
HOLIDAY FOR Y-12ers—Labor Day!

Tuesday, September 7
TENNIS LEAGUE: By arrangement as per schedule.
SOFTBALL TOURNAMENT: Beginning 6 p.m. Atoms vs. Stems. Bums vs Teds. ORNL Mets vs Braves.

Wednesday, September 8
SOFTBALL TOURNAMENT: Beginning 6 p.m. Isotopes Reactor vs Instrumentation & Controls. Ball Hawks vs Permits. Apprentices vs Bat Boys.

Thursday, September 9
SOFTBALL TOURNAMENT: Beginning 6 p.m. Plant & Equipment vs Atoms-Stems victor. Nucons vs Eagles. Mets vs Bums-Teds victor.

HORSESHOE LEAGUE: 7:30 p.m. Oak Ridge City Courts.
PHYSICAL FITNESS: 7:30 p.m. Oak Ridge High School Gymnasium.

BOWLING: Classic League, 5:45 p.m. Ark Lanes.

Friday, September 10
GOLF: 4:30 p.m. Dead-line for entering All-Carbide Tournament, set for September 18, 19.

The only time the world beats a path to your door is Sunday afternoon when you decide to take a nap.

Classic Bowlers Debut Tomorrow

Proving that summer time has flown right out of our hands, the Classic Bowling League gets underway tomorrow night, Thursday, September 2.

The 16-team league, Y-12's oldest and biggest set of keggers, will hit the alleys promptly at 5:45 at Ark Lanes tomorrow, come hail or high water.

President J. H. (Tudor) Boyd, Veep George Cantrell, and Secretary Roy Roberts all have pencils sharpened and average sheets ready for tomorrow's big event.

The C League, which rolls on Monday nights at 5:45 p.m., is all set to get underway Monday, September 13. Carl Frazier is president of the 12-team group; Harry Keene is vice president; and Bobby Hopkins is secretary-treasurer.

Recreation says there are still openings for teams or individuals on the Bush League, the Mixed League and the E League. The Bush rolls on Mondays, at 8; the Mixed on Wednesdays at 8 (two men, two women per team . . . wives may bowl with their spouses); and the E League rolls on Wednesday mornings, set especially for shift workers, who find it inconvenient to roll on week nights.

So if you're on a team that's not listed, get in the soup now. Schedules have to be made and the leagues are itching to get started.

Just call Recreation, telephone

**UNION CARBIDE CORPORATION
NUCLEAR DIVISION**

Post Office Box Y
Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED



BULK RATE
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71

There May Be Poison Right In Your Yard

The United States Public Health Service reports that about 12,000 children every year ingest potentially poisonous plants. A recent study of 100 child poisonings in one area showed that nearly 10 per cent or nine of the youngsters had eaten toxic plants. Interestingly enough, in most of these cases, the children's parents had no idea that the plants were dangerous.

Many poisonous plants are so common and seemingly innocuous that you don't suspect their toxic qualities. Who would guess that the beautiful oleander bush, grown indoors and outdoors all over the country, contains a deadly heart stimulant, similar to the drug digitalis? So powerful is this toxin that a single leaf can kill a child. And many people have died merely from eating steaks that had been speared on oleander twigs and roasted over a fire.

The beautiful mountain laurel, so prominent in this area, was once used by the Delaware Indians to make a suicide potion. The rhododendron that pours over the Smoky Mountains has a poison that has actually shown up in the honey made by bees that visited the plant. The popular Christmas flower, the poinsettia, is full of an acrid burning juice, so lethal that a child who consumed one leaf of the plant might die. The berries of the mistletoe have proved deadly to adults who use them to make a so-called medicinal tea.

Peach Leaves!

It's easy to be deceived by plants, for one part may be edible while another is poisonous. For example, twigs of cherry trees release cyanide when eaten. Peach tree leaves contain hydrocyanic acid, one of the most dangerous poisons known. Five children became ill recently after drinking "tea" brewed with hot water and peach leaves.

Even two of the most popular vegetables known to man, the potato and tomato, come from plants related to the deadly nightshade. Although fresh tomato fruits and potato tubers are harmless, the foliage and vines of both tomato and potato plants contain alkaloid poisons that can cause severe digestive upset and nervous disorder.

No Sure Way To Tell

You can never know which plants are poisonous. The only safeguard, authorities agree, is to keep all plants away from very small children who may nibble on them. Also teach children never to eat or put in their mouths any plant or berry not commonly used as food. Adults, of course, shouldn't make "medicinal" concoctions from plants or chew on plant stems. If someone does ingest a dangerous plant, call

Reclining Figure Tryouts Tomorrow

Tryouts for Oak Ridge Playhouse productions for this season will be held tomorrow, Thursday, September 2. The first play, a comic look at the intricacies of the world of art dealers is entitled, "Reclining Figure." The roles in the satire include nine men ranging in age from 26 through 70 and one girl in her mid or late twenties. Especially needed are persons with European accents, since several of the roles are those of art judges from France, Hungary and elsewhere on the continent.

Tryouts are open to everyone and no previous theatrical experience is required. Further information about auditions and activities at the Playhouse for the season may be obtained from Milton Carey, Playhouse Secretary. Season memberships may be purchased at the tryouts. This year's schedule includes, "The Lark," "Music Man," "The Days Between," and "Roman Candle," in addition to "Reclining Figure," and "Don Juan in Hell."



Ride wanted from North Knoxville area, to West Portal, E Shift. W. R. Clevenger, plant phone 3-7101, home phone Knoxville 523-6558.

Ride wanted from Howard Lane (Highland, Hillside section), Oak Ridge, to North Portal, straight day. Mark Rosen, plant phone 3-7237, home phone Oak Ridge 483-5055.

Heat Wave Jumps OR Water Consumption

The heat wave recently really upped the water consumption in Oak Ridge. During the peak of the three-day heat wave in August, the Atomic Energy Commission's Water Treatment Plant pumped near record amounts of water to the city and plant areas.

The plant, operated for the AEC by Management Services, Incorporated, recorded a maximum of 21.6 million gallons pumped on August 17 — one of the highest volumes for a 24-hour period in several years. The temperature recorded in Oak Ridge that day was 95. In contrast, on August 23, with the return of more normal temperatures, the water pumped from the plant had dropped to 13.3 million gallons.

a physician immediately for his advice. It's not always advisable to induce vomiting, for some plants contain corrosive juices that could severely damage tissue of the digestive tract during vomiting.



MOST OF THE CAFETERIA veterans line up for a camera recently. Seated are (from left) Willie Braden, Vena Mae Summitt, Irene King, Madeline Tackett and Nancy Gasaway. Standing are Johnson Robinson, David Treece, L. D. Scott, Howard McClelland and Kent Patterson. Not present when the photo was made was Wynetta Patterson and the Gosses, seen below.

Cafeteria . . .

Continued from Page 1
Y-12ers . . . some thousand every day. This is a far-cry from the 33,000 hot meals a day that were once prepared on the spot.

Roast beef and vegetable soup get the 'hands-down' approval of Y-12ers, as these dishes prove most popular . . . especially the Wednesday "special" of prime ribs of beef. Y-12ers consume over a 100 pounds of coffee a week . . . even in the summer weather. At least 800 glasses of iced tea are consumed daily, along with the coffee.

The Cafeteria is also equipped to provide special lunches to visitors in the plant . . . either on a served or buffet style.

It's obvious Cafeteria folks like to work in food . . . they have all been here so long.

And, as one veteran put it recently, they seem like one big family. They worry when one of their members is ill . . . and share troubles just like most families do.

The Food Services Department is under the direction of Martin L. Gardner and is part of Personnel Services, in the Industrial Relations Division.

What Does Lab Mean?

Many hospital bills show an item marked "laboratory." This is the hospital charge for the cost of performing laboratory tests ordered by the physician as essential to the patient's treatment.

Most hospital labs can perform up to 250 different tests and correctly analyze the results of each. This takes specially trained, highly skilled people and up-to-date equipment. And, it takes money!

Though costly to maintain, a modern laboratory is essential to modern medicine in successfully treating many illnesses. "Laboratory" is an unpredictable expense because some people require more tests than others. For this reason, your hospitalization insurance pays most of the needed laboratory services in full when you or your dependents are hospitalized.



TOMMY AND FRANKIE GOSS are both old-time Y-12ers, and probably the only husband-wife team among the 20-year-plus veterans. Mrs. Goss beat her husband here by about three months. She came February 19, 1944, and he followed on May 9.

Union Carbide Readies For Halloween Fun

"Double, double toil and trouble:

Fire burn and cauldron bubble."

Union Carbide is all fixed for Halloween. The Consumer Products Division has entered the false face market.

An ingenious flashlight accessory which is sure to win enthusiastic approval from youngsters and parents alike is now being introduced. The innovation is "Eveready flashlight faces," colorful three-dimensional plastic heads, which snap in and snap out of a flashlight. They glow brightly when the light is on. Four faces have appeared in time

Monday, Labor Day, Is Holiday For Y-12

Next Monday, September 6, will be an official holiday in Y-12. The nation honors its laboring forces with Labor Day, observed on the first Monday after the first of September.

No employee will be required to work, except those whose presence is required for the security or continuous operation of the plant.

for Halloween — an ogre, a pumpkin, a witch and a skull.

Love is when she sinks in his arms and winds up with her arms in a sink.